

Work Order ID 122954

Tuesday, July 29, 2014 2:26:48 PM

122954

Page 1

Item ID: D4634-3 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Middle, Center Ceiling Panel
 Start Date: 8/20/14 Start Qty: 1.00 ***1*** Cust Item ID:
 Required Date: 8/20/14 Req'd Qty: 1.00 ***1*** Customer:
 Reference:

Approvals: Process Plan: Wm Date: 7/30/14 Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D4634	F								

100
100
 Thermoform
 Thermoforming Machine
 HAND FINISHING THERMOFORMING
 Memo
 Cut Blanks
 0.00
 0.00

DAS
 27
 9-89
 14/9/19

105
105
 Hand Thermo
 Hand Finishing Thermoforming
 Dry Material
 Memo
 Dry Sheet as per QSI022 POLYCARBONATE
 Temp: 245 deg. F
 Time IN: 5:00 PM
 Time OUT: 6:00 AM
 0.00
 0.00

SEP 08 2014

Per.....

DAS
 27
 9-89
 14/9/19

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Suspected Unapproved <input type="checkbox"/>	<table style="width:100%;"> <tr> <td style="width:33%;"> AGAINST DEPARTMENT/PROCESS Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Thermoforming <input type="checkbox"/> Large Fab <input type="checkbox"/> </td> <td style="width:33%;"> Crosstube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Composite <input type="checkbox"/> </td> <td style="width:33%;"> Water Jet <input type="checkbox"/> Prod. Eng. Coord. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> Supplier <input type="checkbox"/> </td> <td style="width:33%;"> Engineering <input type="checkbox"/> Quality <input type="checkbox"/> Other <input type="checkbox"/> </td> </tr> </table>	AGAINST DEPARTMENT/PROCESS Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Thermoforming <input type="checkbox"/> Large Fab <input type="checkbox"/>	Crosstube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Composite <input type="checkbox"/>	Water Jet <input type="checkbox"/> Prod. Eng. Coord. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> Supplier <input type="checkbox"/>	Engineering <input type="checkbox"/> Quality <input type="checkbox"/> Other <input type="checkbox"/>
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Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave <input type="checkbox"/> Cuffs <input type="checkbox"/> Crushing <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drawing <input type="checkbox"/> Drill Holes <input type="checkbox"/> Finish <input type="checkbox"/> Fit/Function	<input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete/Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Off-set <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence	<input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Set-up <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other
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Work Order ID 122954

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122954

Page 2

Item ID: D4634-3

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Middle, Center Ceiling Panel

Start Date: 8/20/14 Start Qty: 1.00 ***1***

Cust Item ID:

Required Date: 8/20/14 Req'd Qty: 1.00 ***1***

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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110

110

Thermoform

Thermoforming Machine

THERMOFORMING MACHINE

Memo

0.00

Thermoform as per Dwg. D4634-3 and Folio FTA145

Dwg. Rev. EFolio Rev. ENOTE: Check moulds prior to using to ensure proper placement of add-ons.
Visually inspect for proper formation and textureDAS
27

9:29

4/9/9

130

130

Thermoform

Thermoforming Machine

HAND FINISHING THERMOFORMING

Memo

0.00

Trim to Finished Dimensions

X1

B/4/29/10

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Suspected Unapproved <input type="checkbox"/>	AGAINST DEPARTMENT/PROCESS <div style="display: flex; justify-content: space-between;"> <div> Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Thermoforming <input type="checkbox"/> Large Fab <input type="checkbox"/> </div> <div> Crosstube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Composite <input type="checkbox"/> </div> <div> Water Jet <input type="checkbox"/> Prod. Eng. Coord. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> Supplier <input type="checkbox"/> </div> <div> Engineering <input type="checkbox"/> Quality <input type="checkbox"/> Other <input type="checkbox"/> </div> </div>
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Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

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Page 3

Item ID: D4634-3

Accept

N900040100

Setup Start

NS1

Revision ID:

Stop

NS2

Item Name: Middle, Center Ceiling Panel

Start Date: 8/20/14

Start Qty: 1.00

1

Cust Item ID:

Required Date: 8/20/14

Req'd Qty: 1.00

1

Customer:

Reference:

Approvals:

Process Plan: _____

Date: _____

Tooling: _____

Date: _____

Run Start

NR1

QC: _____

Date: _____

SPC (Y/N): _____

Date: _____

Stop

NR2Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

140

QC6- Inspect dimensions to drawing
Dimensional Inspection

0.00

140

QC

Memo

0.00

Quality Control

Fill out Inspection Sheet Rev. A

DAS
27
9-89

4/9/9

150

QC5- Inspect part completeness to step on W/O

0.00

150

QC

Memo

0.00

Quality Control

DAS
38
9-89

14-8-10

160

Packaging

0.00

160

Packaging

Memo

0.00

Packaging

DAS
27
9-89

4/9/10

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

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Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Suspected Unapproved <input type="checkbox"/>	AGAINST DEPARTMENT/PROCESS <div style="display: flex; justify-content: space-between;"> <div> Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Thermoforming <input type="checkbox"/> Large Fab <input type="checkbox"/> </div> <div> Crosstube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Composite <input type="checkbox"/> </div> <div> Water Jet <input type="checkbox"/> Prod. Eng. Coord. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> Supplier <input type="checkbox"/> </div> <div> Engineering <input type="checkbox"/> Quality <input type="checkbox"/> Other <input type="checkbox"/> </div> </div>
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Equip/Tooling									
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Unapproved									

FAULT CATEGORY

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Work Order ID 122954

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122954

Page 4

Item ID: D4634-3

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Middle, Center Ceiling Panel

Start Date: 8/20/14 Start Qty: 1.00 ***1***

Cust Item ID:

Required Date: 8/20/14 Req'd Qty: 1.00 ***1***

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
170	QC21- Final Inspection - Work Order Release	0.00							
170									
QC	Memo	0.00							
Quality Control									

MLJ 14-09-11

ME
14-9-10.

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Suspected Unapproved <input type="checkbox"/>	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>	
Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>															
Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>															
Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>															
Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>																

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
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Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave <input type="checkbox"/> Cuffs <input type="checkbox"/> Crushing <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drawing <input type="checkbox"/> Drill Holes <input type="checkbox"/> Finish <input type="checkbox"/> Fit/Function	<input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete/Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Off-set <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence	<input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Set-up <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other
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Picklist Print

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Page 1

Work Order ID: 122954

122954

Parent Item: D4634-3

D4634-3

Parent Item Name: Middle, Center Ceiling Panel

Start Date: 8/20/14

Required Date: 8/20/14

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP Rev. A New Issue 12/05/07 DL VERIFIED BY:JLM IPP Rev.
B Dwg. Update 13/07/09 DL verf:DD IPP Rev C Dwg
Update, Material Change 13/12/18 DL IPP Rev D 14/01/20 Dwg.
Update DL IPP Rev. E Dwg Update Dim change
14/02/05 DL

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
MLEXS.093-F6006-07		Purchased		No		100	sf	4,683.726	17.33	18			

MI FXS 093-F6006-07

GE PLASTICS LEXAN SHEET (Grey)

Location	Loc Qty	Loc Code
MAT023	4683.72662	
114459	229.26	
123105	38	
124501	543.5	
m128668	181.35	
m129014	102.33332	
m129471	885.3333	
m129738	2703.95	

4/9/19

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

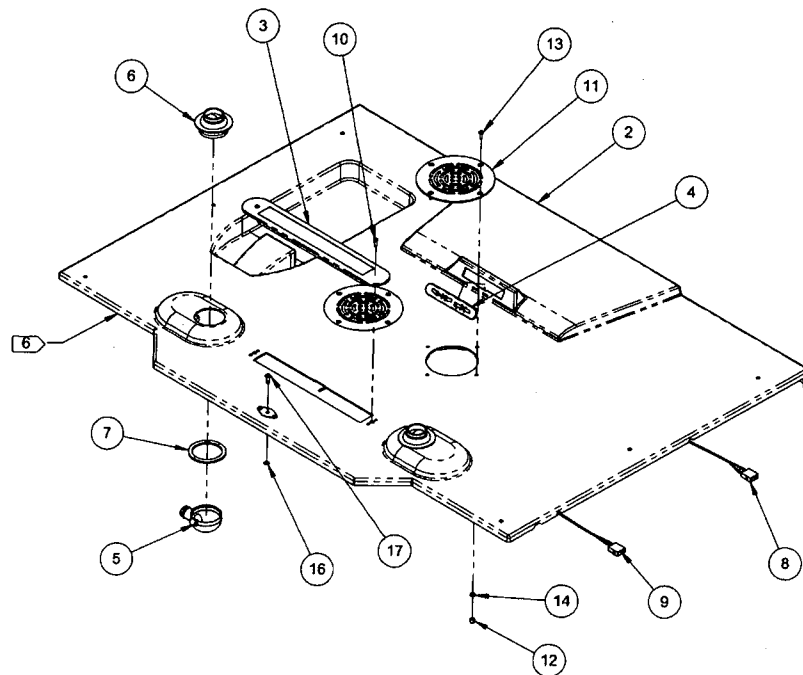
Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Suspected Unapproved <input type="checkbox"/>	AGAINST DEPARTMENT/PROCESS <div style="display: flex; justify-content: space-between;"> <div> Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Thermoforming <input type="checkbox"/> Large Fab <input type="checkbox"/> </div> <div> Crosstube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Composite <input type="checkbox"/> </div> <div> Water Jet <input type="checkbox"/> Prod. Eng. Coord. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> Supplier <input type="checkbox"/> </div> <div> Engineering <input type="checkbox"/> Quality <input type="checkbox"/> Other <input type="checkbox"/> </div> </div>
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FAULT CATEGORY

Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave <input type="checkbox"/> Cuffs <input type="checkbox"/> Crushing <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drawing <input type="checkbox"/> Drill Holes <input type="checkbox"/> Finish <input type="checkbox"/> Fit/Function	<input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete/Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Off-set <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence	<input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Set-up <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other
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D4634-041 FWD, CENTER CEILING PANEL ASSY

NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.4, ON SMOOTH SIDE
- 7) WEIGHT: 7.0 lbs
- 8) INSTALL D4728-047-051 WIRE HARNESS PER QSI 048

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO 122754
7/30/14 wmm

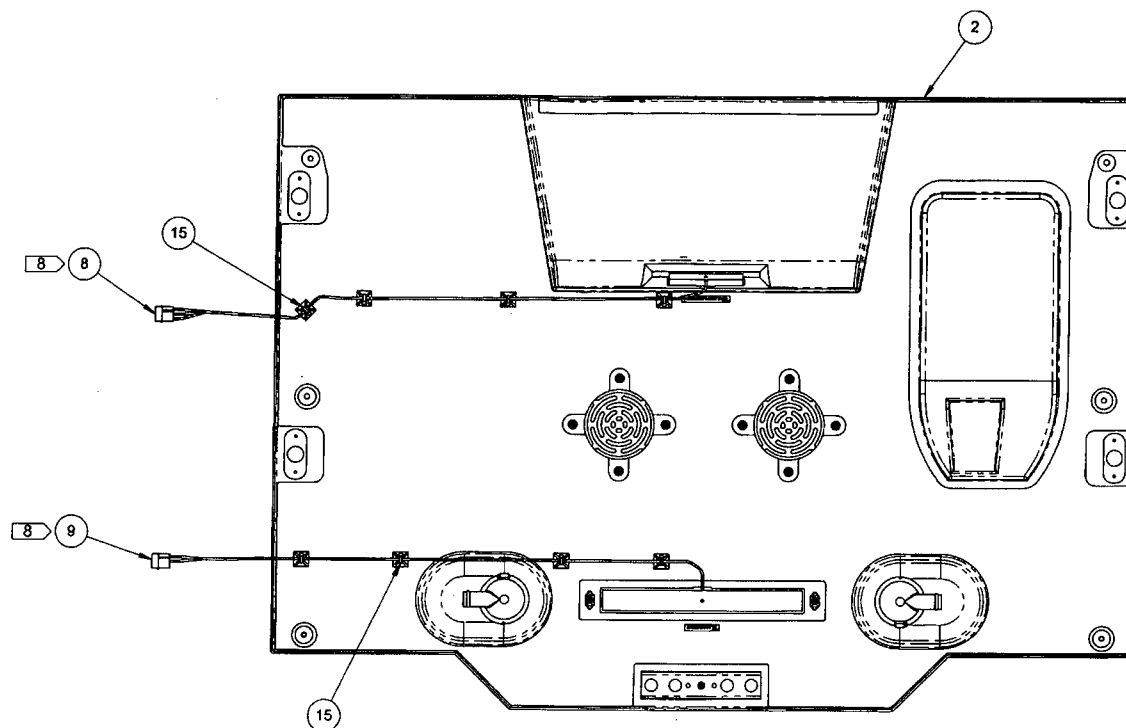
ITEM NO.	QTY. -041	PART NUMBER	DESCRIPTION
1	X	D4634-041	FWD, CENTER CEILING PANEL ASSY
2	1	D4634-141	FWD, CENTER CEILING REPLACEMENT PANEL ASSY
3	1	D4638-1 (REF)	LED LIGHT (REF PART OF D4728-051)
4	1	D4645-1 (REF)	NO SMOKING & FASTEN BELT LIGHT (PART OF D4728-047)
5	2	D4646-1	PLENUM CAP ASSEMBLY
6	2	D4652-1	AIR VALVE
7	2	D4652-3 (REF)	MOUNTING NUT (PART OF D4652-1)
8	1	D4728-047	ADVISORY LIGHT (FWD) HARNESS ASSEMBLY
9	1	D4728-051	CABIN LIGHT #1 HARNESS ASSEMBLY
10	2	N/A (REF)	SCREW (PART OF D4728-051)
11	2	D4743-1	SPEAKER GRILL
12	8	MS21044-N08	NUT
13	8	MS24693-BB50	SCREW
14	8	NAS1149DN832J	WASHER
15	8	PLT1.5M-M	TIE-WRAP (OR PLT1.5M-C)
16	1	50-009-2	GROMMET
17	1	2351-20-27-C3C	STUD

RELEASED

2014 FEB 25
ECN 14-519

F	REVISE BOM (ZN D4-7); ADD DIM (ZN B8-9); 10.20 WAS 10.05 (ZN B6-10, B5-12, B5-14); ADD DETAIL V (ZN C4-10, B4-12, C4-14, A4-16); CHANGE PROTRUDE SECTION DIMS TO REF (ZN C7-10, C7-12, C7-14)	RF	14.02.03
E	REVISED BOM (ZN C4-1, C4-3, D4-5, C4-7, C4-8, C4-9); ADDED NOTE 11) (ZN D5-7, A8-7, D5-8, A8-8, D7-9, A8-9); 3.70 WAS 3.83 (ZN C6-11); 1.88 WAS 2.00 (ZN D7-13); 6.13 WAS 6.25 (ZN B6-15); REVISE DETAIL B (ZN A8-16)	RF	14.01.09
D	ADDED PLT1.5M-M (ZN C4-5, C6-6); D5021-1 (ZN D4-7, D5-7); D5021-3 (ZN D4-8, D5-8); D5021-5 (ZN D4-9, B7-8); MPNY-750S-9-C (ZN D4-9, B7-9); Ø0.129 (ZN B4-11, B4-13); DETAIL "U" (ZN C2-17); 3.83 WAS 3.87 (ZN C6-11); 2.00 WAS 2.02 (ZN D6-13); REVISE NOTE 8) & 10) (ZN A8-7, A8-8, A8-9); & NOTE 1) (ZN A8-10, A8-12, A8-14); 3.80 WAS 3.84 (ZN D4-17, B8-17); REMOVED D4694-71-041/043/045/047, D4647-31-71-8; DIMENSION SHIFTED DUE ADDING D5021-1/-3/-5; Ø0.250 WAS Ø0.206 (ZN D6-11, C3-13 & D6-15)	RF	13.12.09
C	REVISE GENERAL NOTES (ZN A8-7, A8-8, A8-9) & BOM (ZN D4-1, D4-3, D4-5, D4-7, D4-8); Ø0.206 WAS Ø0.207 (ZN D6-11, C3-13, C6-15) ADD DIM. (ZN B6-7, B7-7, D7-8, & D6-8)	RF	13.06.18
B	ADDED D4634-141/-143/-145 (ZN B4-7, B4-8, B4-9); REVISE D4634-041/-042/-043/-044 PART LIST & GENERAL NOTES; ADD DETAILS R,S,T SHT 10, 12, 14, 16, 17	RF	12.11.30
A	NEW ISSUE	RF	12.07.25
REV.	DESCRIPTION	BY	DATE

DESIGN	RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	RF		
CHECKED	DL	DRAWING NO.	REV. F
MFG. APPR.	DL	D4634	SHEET 1 OF 17
APPROVED	DL	TITLE	SCALE
DE APPR.	DL	CENTER CEILING PANELS	NTS
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D4634-041 FWD. CENTER CEILING PANEL ASSY
AUXILIARY VIEW

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DRAWN	RF		
CHECKED	<i>DC</i>	DRAWING NO. D4634	REV. F
MFG. APPR.	<i>DC</i>	TITLE	SHEET 2 OF 17
APPROVED	<i>DC</i>	CENTER CEILING PANELS	SCALE
DE APPR.	<i>DC</i>		NTS
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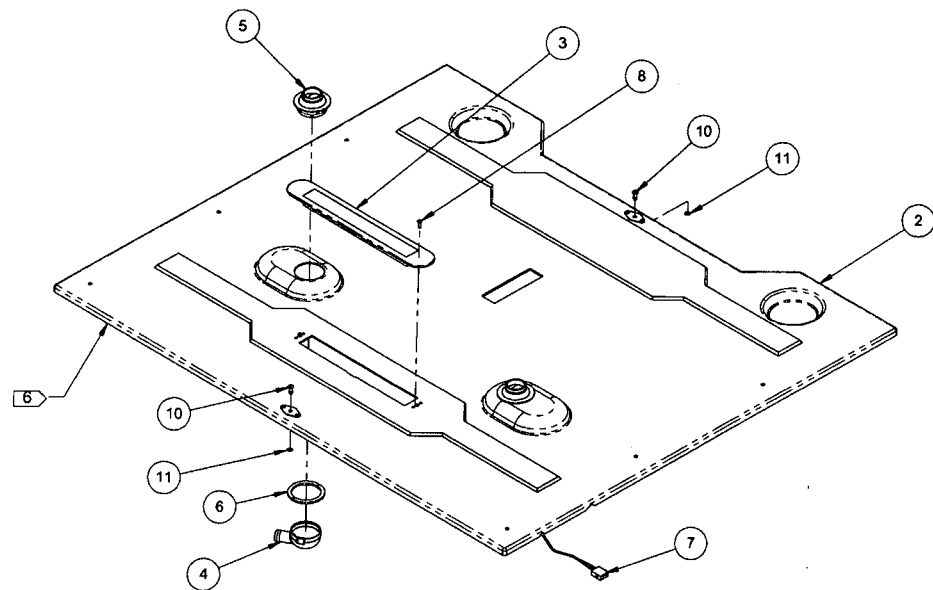
8 7 6 5 4 3 2 1

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ITEM NO.	QTY. -043	PART NUMBER	DESCRIPTION
1	X	D4634-043	MIDDLE, CENTER CEILING PANEL ASSY
2	1	D4634-143	MIDDLE, CENTER CEILING REPLACEMENT PANEL ASSY
3	1	D4638-1 (REF)	LED LIGHT (REF PART OF D4728-051)
4	2	D4646-1	PLENUM CAP ASSEMBLY
5	2	D4652-1	AIR VALVE
6	2	D4652-3 (REF)	MOUNTING NUT (PART OF D4652-1)
7	1	D4728-053	CABIN LIGHT #2 HARNESS ASSEMBLY
8	2	N/A (REF)	SCREW (PART OF D4728-053)
9	3	PLT1.5M-M	TIE-WRAP (OR PLT1.5M-C)
10	2	2351-20-27-C3C	STUD
11	2	50-009-2	GROMMET

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D4634-043 MIDDLE, CENTER CEILING PANEL ASSY

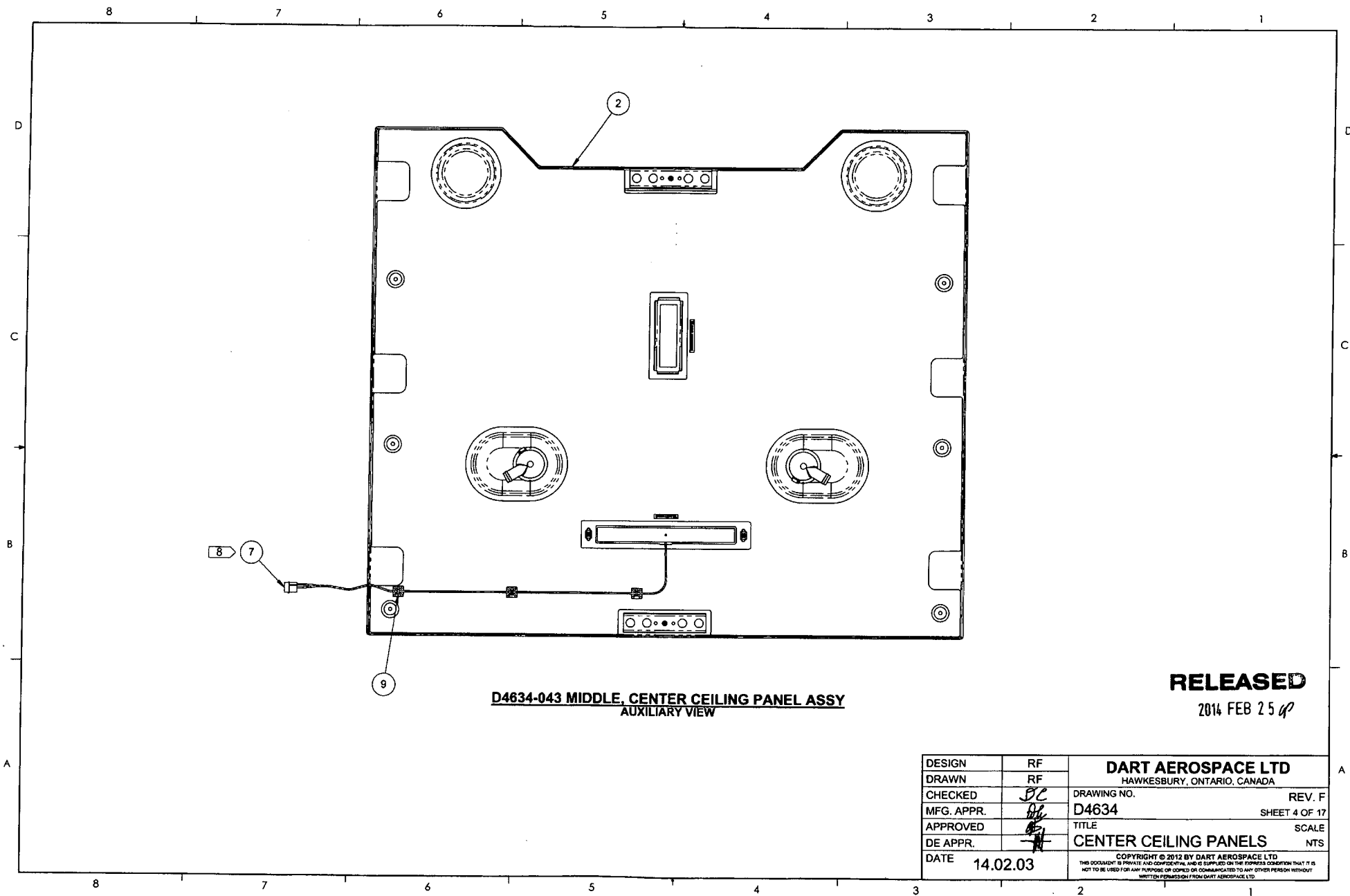
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2014 FEB 25

NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.4, ON SMOOTH SIDE
- 7) WEIGHT: 9.5 lbs
- 8) INSTALL D4728-053 WIRE HARNESS PER QSI 048

DESIGN	RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	RF		
CHECKED	BC	DRAWING NO.	REV. F
MFG. APPR.	BC	D4634	SHEET 3 OF 17
APPROVED	BC	TITLE	SCALE
DE APPR.	BC	CENTER CEILING PANELS	NTS
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D4634-043 MIDDLE, CENTER CEILING PANEL ASSY
AUXILIARY VIEW

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DRAWN	RF		
CHECKED	<i>BC</i>	DRAWING NO. D4634	REV. F
MFG. APPR.	<i>BC</i>		SHEET 4 OF 17
APPROVED	<i>BC</i>	TITLE	SCALE
DE APPR.	<i>BC</i>	CENTER CEILING PANELS	NTS
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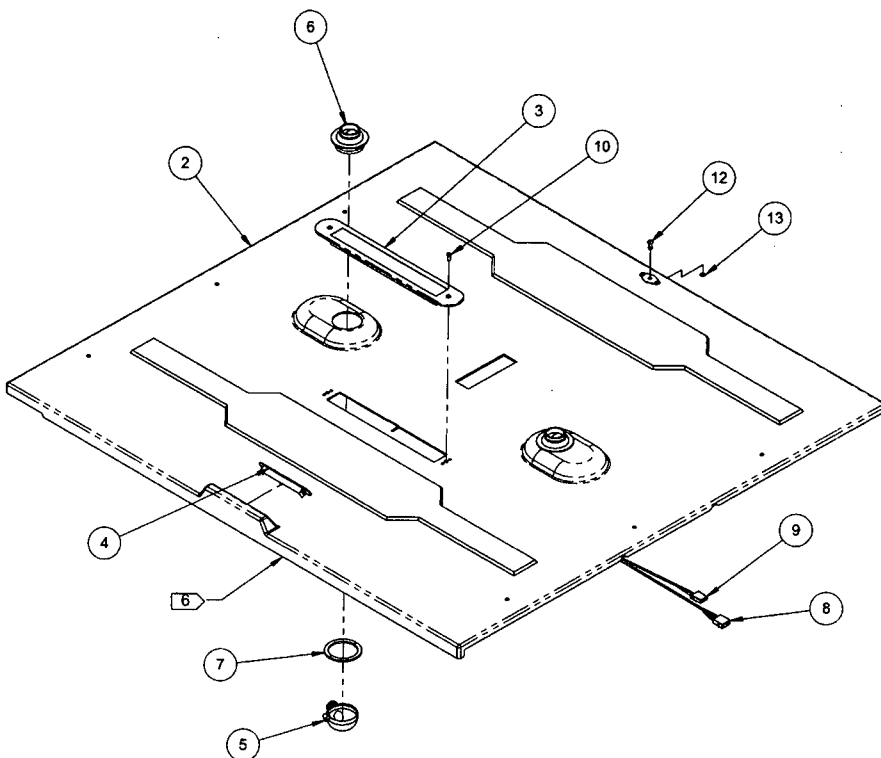
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1

ITEM NO.	QTY. -045	PART NUMBER	DESCRIPTION
1	X	D4634-045	AFT, CENTER CEILING PANEL ASSY
2	1	D4634-145	AFT, CENTER CEILING REPLACEMENT PANEL ASSY
3	1	D4638-1 (REF)	LED LIGHT (PART OF D4728-055)
4	1	D4645-1 (REF)	NO SMOKING & FASTEN BELT LIGHT (PART OF D4728-049)
5	2	D4646-1	PLENUM CAP ASSEMBLY
6	2	D4652-1	AIR VALVE
7	2	D4652-3 (REF)	MOUNTING NUT (PART OF D4652-1)
8	1	D4728-049	ADVISORY LIGHT (AFT) HARNESS ASSEMBLY
9	1	D4728-055	CABIN LIGHT #3 ASSEMBLY
10	2	N/A (REF)	SCREW (PART OF D4728-055)
11	10	PLT1.5M-M	TIE-WRAP (OR PLT1.5M-C)
12	1	2351-20-27-C3C	STUD
13	1	50-009-2	GROMMET



D4634-045 AFT, CENTER CEILING PANEL ASSY

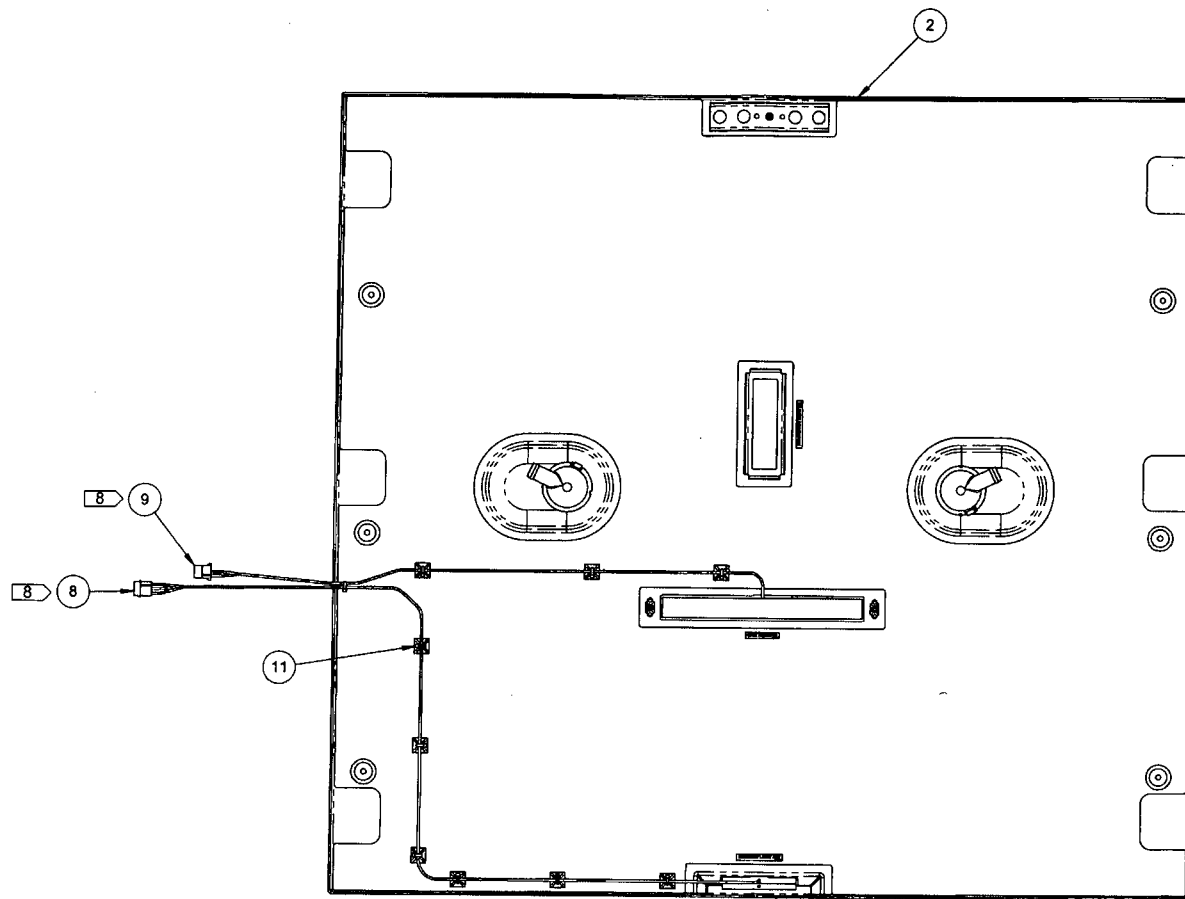
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2014 FEB 25 *up*

NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.4, ON SMOOTH SIDE
- 7) WEIGHT: 10.5 lbs
- 8) INSTALL D4728-049/-055 WIRE HARNESS PER QSI 048

DESIGN	RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	RF		
CHECKED	<i>BC</i>	DRAWING NO.	REV. F
MFG. APPR.	<i>BC</i>	D4634	SHEET 5 OF 17
APPROVED	<i>BC</i>	TITLE	SCALE
DE APPR.	<i>BC</i>	CENTER CEILING PANELS	NTS
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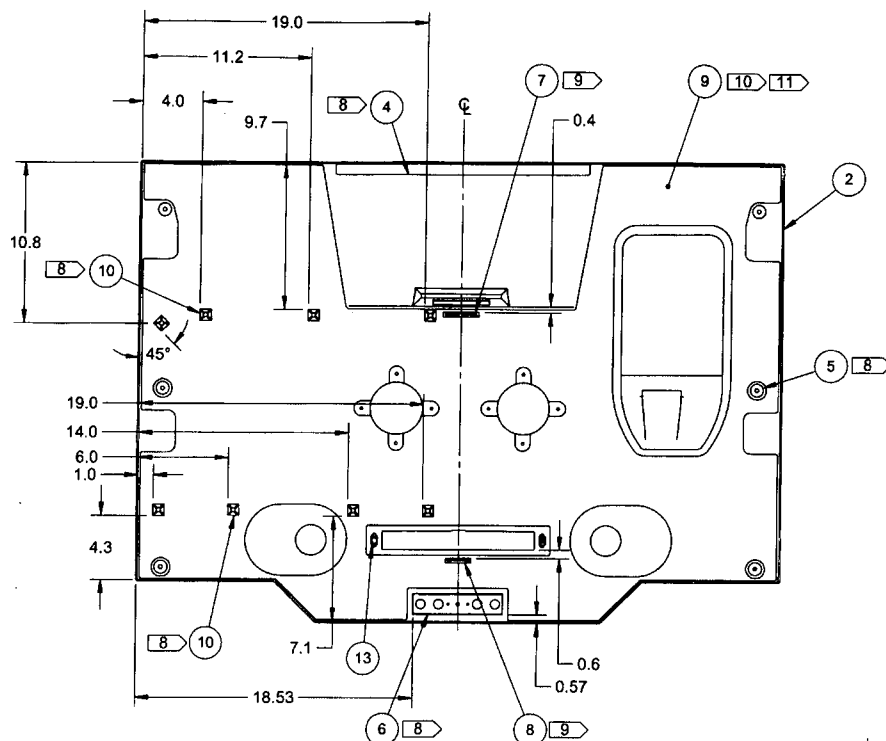


D4634-045 AFT. CENTER CEILING PANEL ASSY
AUXILIARY VIEW

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2014 FEB 25 *af*

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CHECKED	<i>BC</i>	DRAWING NO.	REV. F
MFG. APPR.	<i>BC</i>	D4634	SHEET 6 OF 17
APPROVED	<i>BC</i>	TITLE	SCALE
DE APPR.	<i>SH</i>	CENTER CEILING PANELS	NTS
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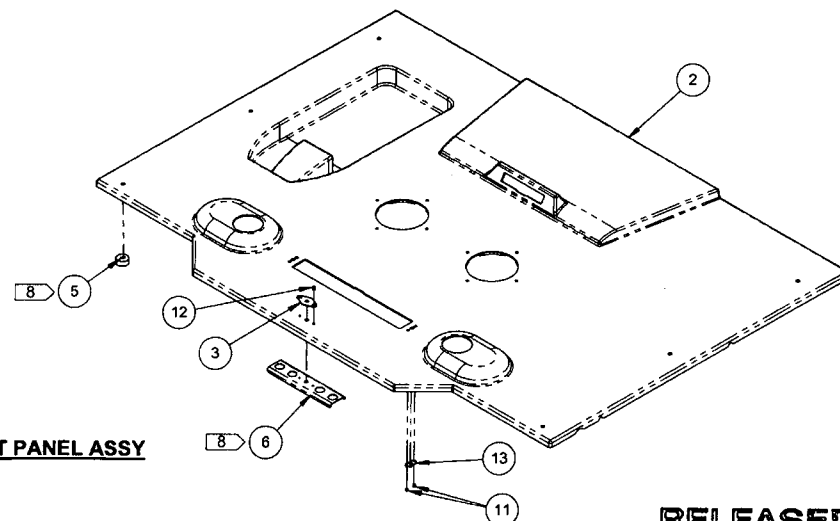


D4634-141 FWD, CENTER CEILING REPLACEMENT PANEL ASSY

NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: N/A
- 8) APPLY A BEAD (0.20 TO 0.30 WIDE) OF DEVCON PLASTIC WELDER II (0.25 INSIDE OF BOTH EDGES OF PART) TO BOND D4664-5, D4712-1 & MPNY-750S-9C. WAIT FOR 2 TO 4 HOURS FOR FUNCTIONAL CURE.
- 9) LOCATE LABELS AS SHOWN, SEAL LABELS USING 3950 EDGE SEALER OVER LABEL TOP SURFACE
- 10) APPLY AN EVEN COAT OF 3M SCOTCH WELD 1300L CONTACT ADHESIVE TO BOND D5021-1 FOAM CORE TO INSIDE OF PANEL
- 11) CENTER D5021-1 FOAM ON D4634-1

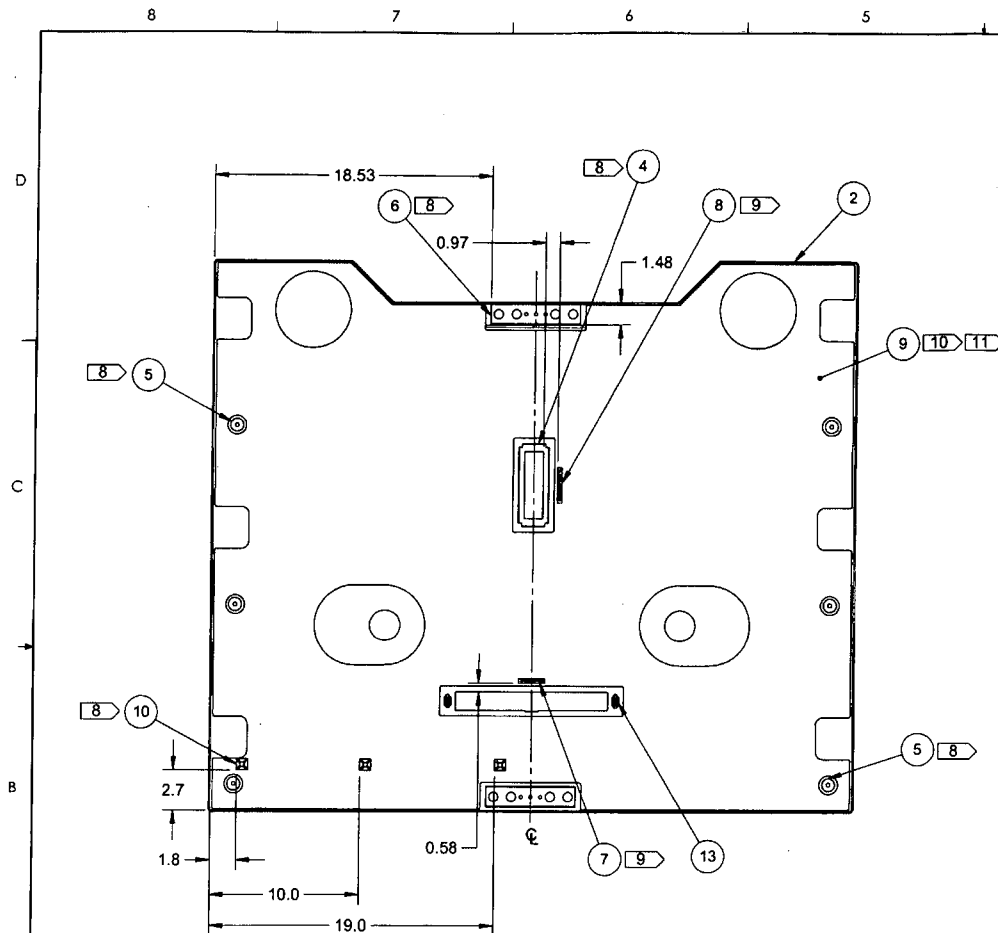
ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	X	D4634-141	FWD, CENTER CEILING REPLACEMENT PANEL ASSY
2	1	D4634-1	FWD, CENTER CEILING PANEL
3	1	D4636-5	BRACKET
4	1	D4647-5	DOUBLER
5	6	D4664-5	SPACER
6	1	D4712-1	BRACKET
7	1	D4732-15	LABEL
8	1	D4732-19	LABEL
9	1	D5021-1	FOAM, CENTER PANEL, FWD
10	8	MPNY-750S-9-C	MOUNTING PAD
11	4	MS20426AD3-(4)	RIVET
12	2	MS20426AD4-(6)	RIVET
13	2	MS21059L08	ANCHOR NUT



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DESIGN	RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
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CHECKED	<i>BC</i>	DRAWING NO.	REV. F
MFG. APPR.	<i>HC</i>	D4634	SHEET 7 OF 17
APPROVED	<i>SE</i>	TITLE	SCALE
DE APPR.	<i>SH</i>	CENTER CEILING PANELS	NTS
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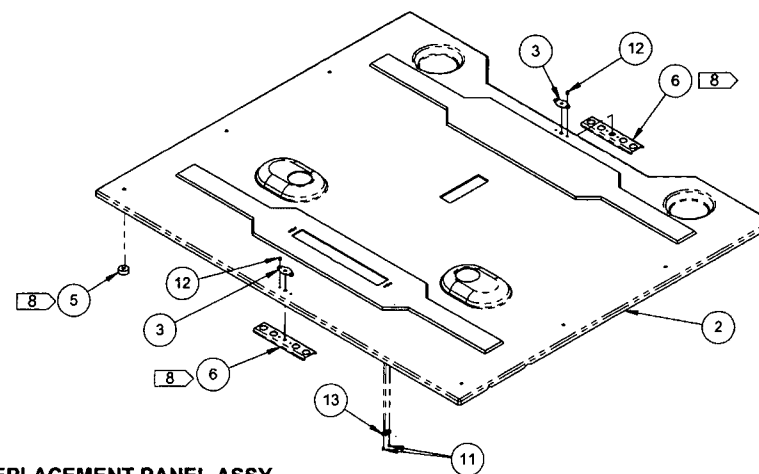


D4634-143 MIDDLE, CENTER CEILING REPLACEMENT PANEL ASSY

NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: N/A
- 8) APPLY A BEAD (0.20 TO 0.30 WIDE) OF DEVCON PLASTIC WELDER II (0.25 INSIDE OF BOTH EDGES OF PART) TO BOND D4647-1, D4664-5 & MPNY-750S-9C.
- 9) LOCATE LABELS AS SHOWN, SEAL LABELS USING 3950 EDGE SEALER OVER LABEL TOP SURFACE
- 10) APPLY AN EVEN COAT OF 3M SCOTCH WELD 1300L CONTACT ADHESIVE TO BOND D5021-3 FOAM CORE TO INSIDE OF PANEL
- 11) CENTER D5021-3 FOAM ON D4634-3

ITEM NO.	QTY. -143	PART NUMBER	DESCRIPTION
1	X	D4634-143	MIDDLE, CENTER CEILING REPLACEMENT PANEL ASSY
2	1	D4634-3	MIDDLE, CENTER CEILING PANEL
3	2	D4636-5	BRACKET
4	1	D4647-1	DOUBLER
5	6	D4664-5	SPACER
6	2	D4712-1	BRACKET
7	1	D4732-21	LABEL
8	1	D4732-25	LABEL
9	1	D5021-3	FOAM, CENTER PANEL, MIDDLE
10	3	MPNY-750S-9-C	MOUNTING PAD
11	4	MS20426AD3-(4)	RIVET
12	4	MS20426AD4-(6)	RIVET
13	2	MS21059L08	ANCHOR NUT



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2014 FEB 25

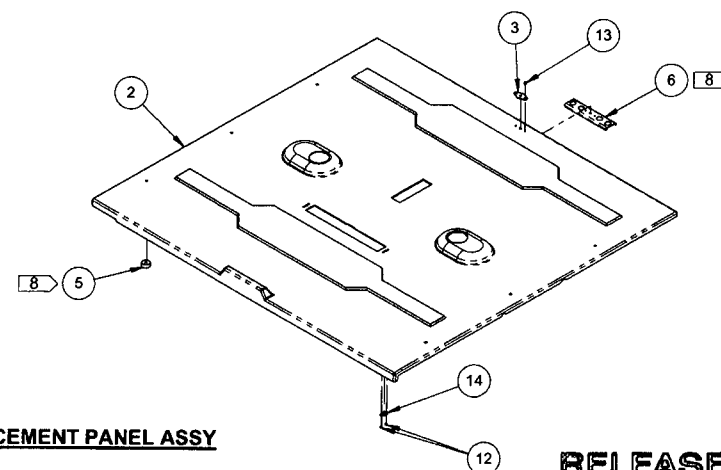
DESIGN	RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	RF		
CHECKED	DC	DRAWING NO.	REV. F
MFG. APPR.	DC	D4634	SHEET 8 OF 17
APPROVED	DC	TITLE	SCALE
DE APPR.	DC	CENTER CEILING PANELS	NTS
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ITEM NO.	QTY. -145	PART NUMBER	DESCRIPTION
1	X	D4634-145	AFT, CENTER CEILING REPLACEMENT PANEL ASSY
2	1	D4634-5	AFT, CENTER CEILING PANEL
3	1	D4636-5	BRACKET
4	1	D4647-1	DOUBLER
5	6	D4664-5	SPACER
6	1	D4712-1	BRACKET
7	1	D4732-17	LABEL
8	1	D4732-23	LABEL
9	1	D4732-27	LABEL
10	1	D5021-5	FOAM, CENTER PANEL, AFT
11	9	MPNY-750S-9-C	MOUNTING PAD
12	4	MS20426AD3-(4)	RIVET
13	2	MS20426AD4-(6)	RIVET
14	2	MS21059L08	ANCHOR NUT

D4634-145 AFT, CENTER CEILING REPLACEMENT PANEL ASSY

NOTES:

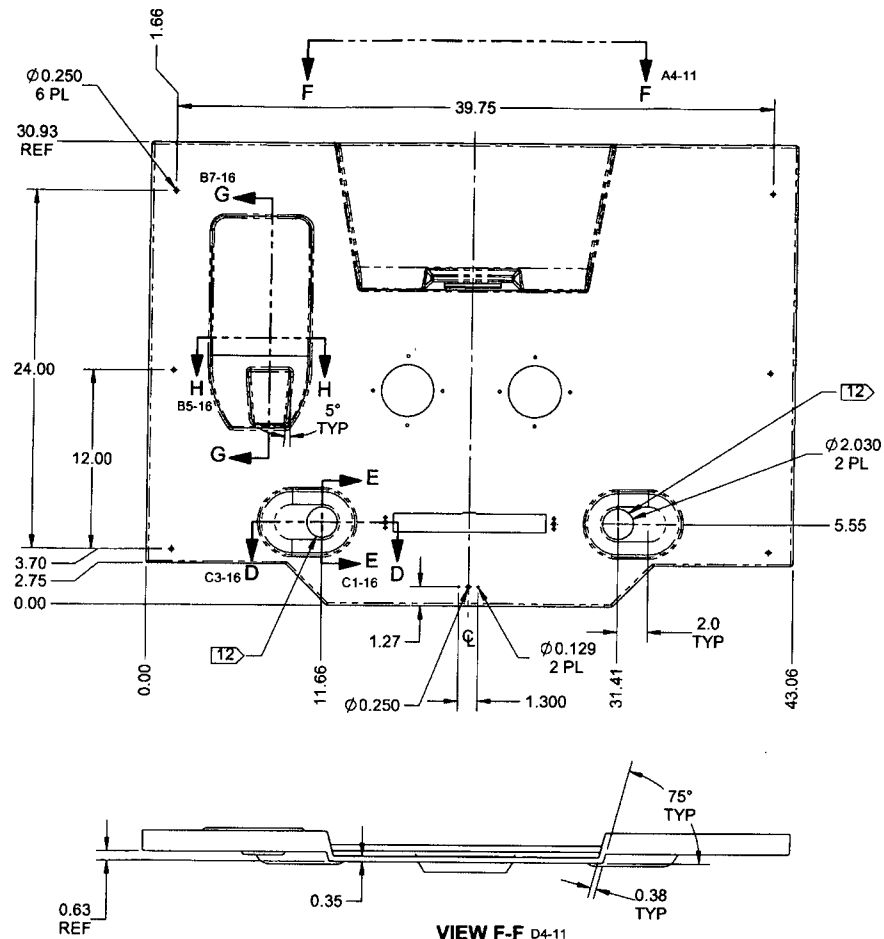
- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: N/A
- 8) APPLY A BEAD (0.20 TO 0.30 WIDE) OF DEVCON PLASTIC WELDER II (0.25 INSIDE OF BOTH EDGES OF PART)
TO BOND D4647-1 & MPNY-750S-9C. WAIT FOR 2 TO 4 HOURS FOR FUNCTIONAL CURE.
LOCATE D4647-1 IN LINE WITH RECTANGULAR OPENING
- 9) LOCATE LABELS AS SHOWN, SEAL LABELS USING 3950 EDGE SEALER OVER LABEL TOP SURFACE
- 10) APPLY AN EVEN COAT OF 3M SCOTCH WELD 1300L CONTACT ADHESIVE TO BOND D5021-5 FOAM CORE TO INSIDE OF PANEL
- 11) CENTER D5021-5 FOAM ON D4634-5



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2014 FEB 25

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CHECKED	BC	DRAWING NO.	REV. F
MFG. APPR.	BC	D4634	SHEET 9 OF 17
APPROVED	BC	TITLE	SCALE
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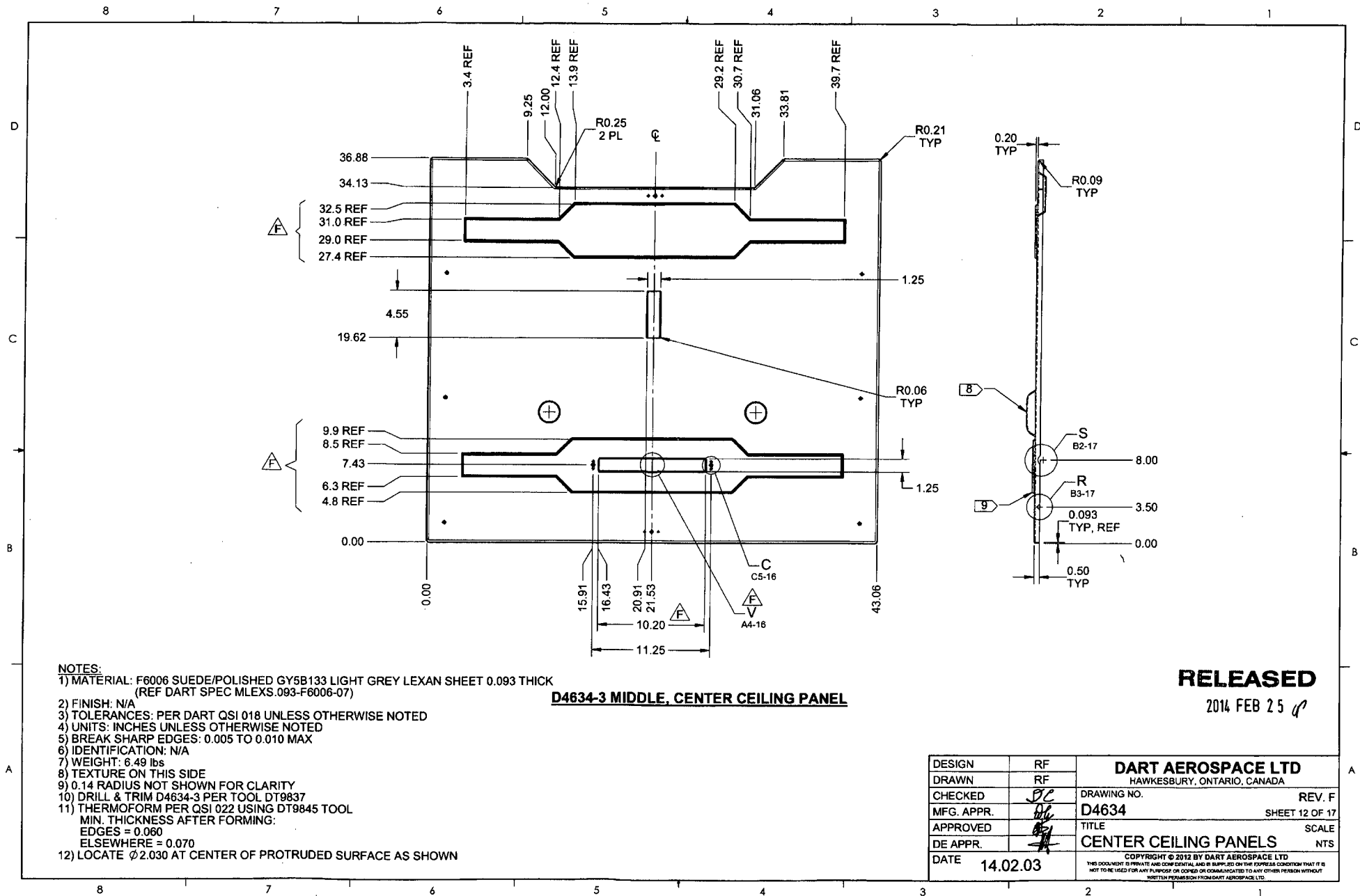


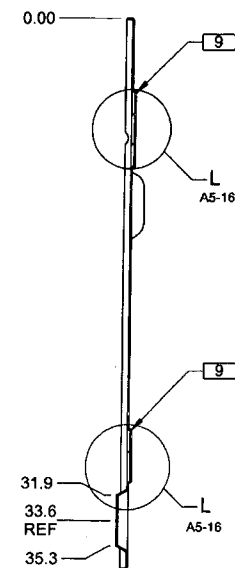
D4634-1 FWD, CENTER CEILING PANEL
AUXILIARY VIEW

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2014 FEB 25

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MFG. APPR.	BC	D4634	SHEET 11 OF 17
APPROVED	BC	TITLE	SCALE
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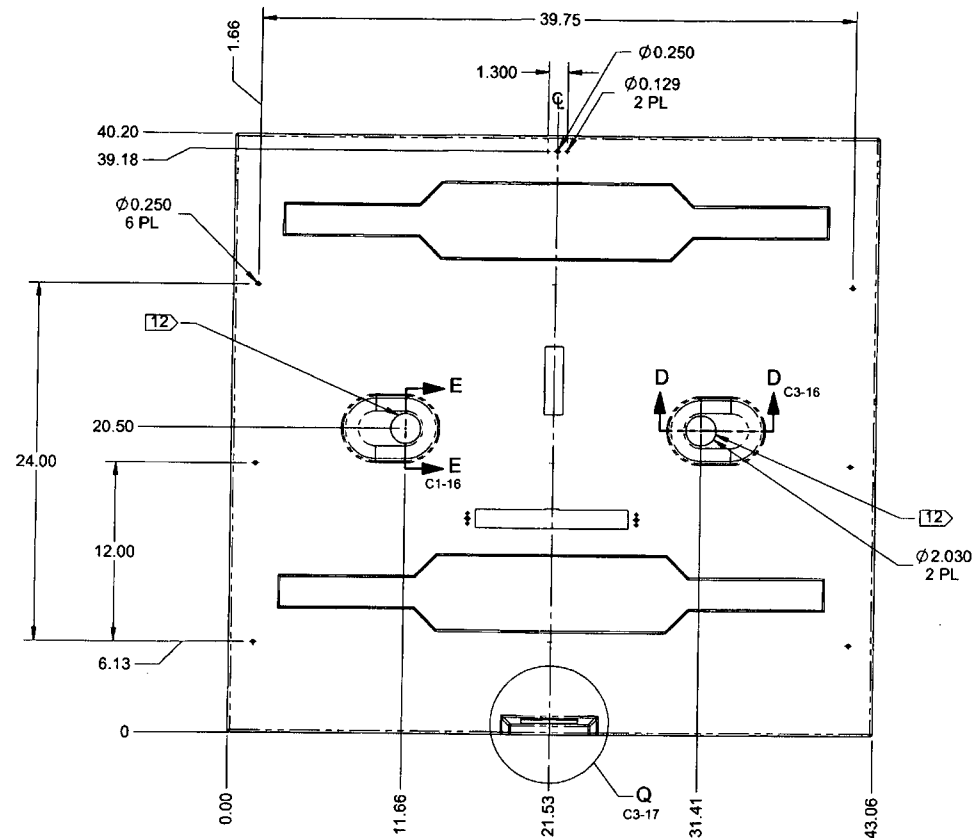




D4634-3 MIDDLE, CENTER CEILING PANEL
AUXILIARY VIEW

2014 FEB 25 *up*

DESIGN	RF	DART AEROSPACE LTD	
DRAWN	RF	HAWKESBURY, ONTARIO, CANADA	
CHECKED	<i>PC</i>	DRAWING NO.	REV. F
MFG. APPR.	<i>PC</i>	D4634	SHEET 13 OF 17
APPROVED	<i>RF</i>	TITLE	SCALE
DE APPR.	<i>RF</i>	CENTER CEILING PANELS	
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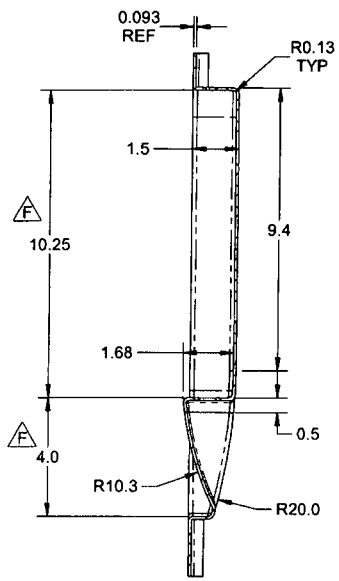


D4634-5 AFT, CENTER CEILING PANEL
AUXILIARY VIEW

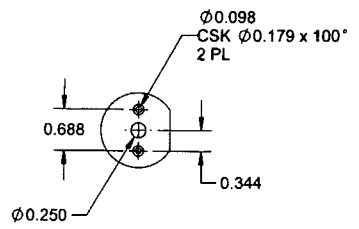
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2014 FEB 25 *up*

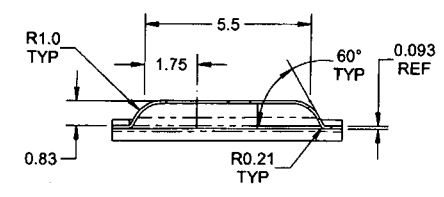
DESIGN	RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	RF		
CHECKED	<i>BC</i>	DRAWING NO.	REV. F
MFG. APPR.	<i>BC</i>	D4634	SHEET 15 OF 17
APPROVED	<i>BC</i>	TITLE	SCALE
DE APPR.	<i>BC</i>	CENTER CEILING PANELS	NTS
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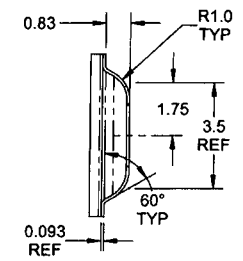
SECTION G-G C5-11
SCALE 4X



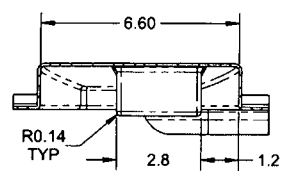
DETAIL C B7-10
B4-12
B4-14
SCALE 4X



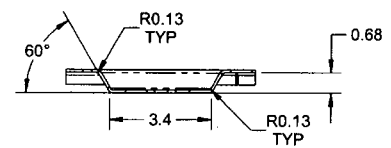
SECTION D-D B6-11
C4-13
C4-15
SCALE 2X



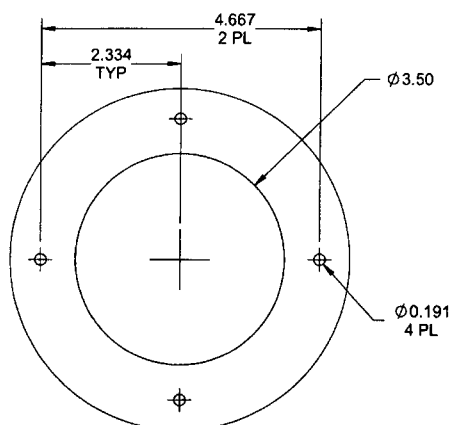
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C5-15
SCALE 4X



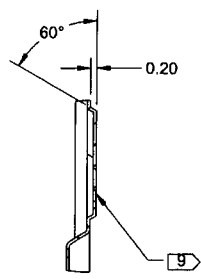
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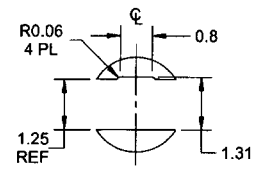
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DETAIL B B7-10
SCALE 4X
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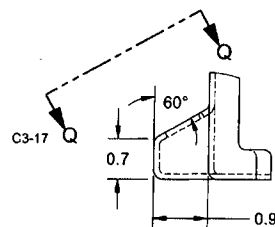
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C2-13
B2-14
C2-14
SCALE 4X
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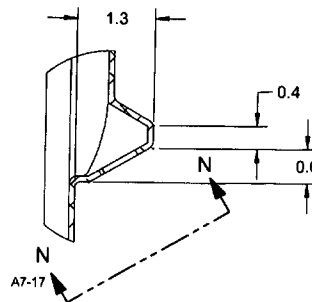
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B4-12
C4-14
SCALE 2X
SIMILAR

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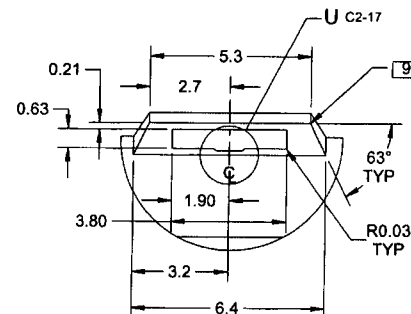
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DRAWN	RF		
CHECKED	DC	DRAWING NO.	REV. F
MFG. APPR.	DC	D4634	SHEET 16 OF 17
APPROVED	DC	TITLE	SCALE
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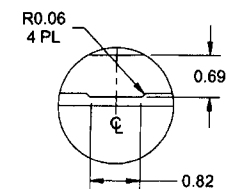
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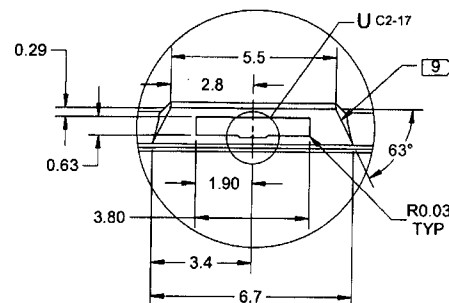
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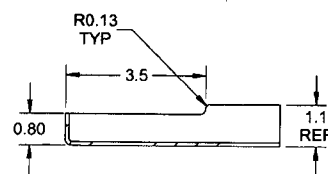
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B4-15
D8-17



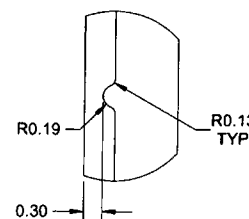
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B7-17
D3-17



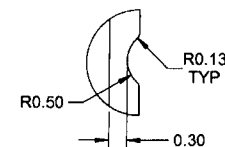
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C5-17
B4-15



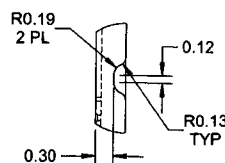
SECTION O-O
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B6-14



DETAIL R
SCALE 4X
B3-10
C3-10
B2-12



DETAIL S
SCALE 4X
B3-10
C2-12



DETAIL T
SCALE 4X
C2-14

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DART AEROSPACE LTD		Work Order: B122853
Description: Middle Center Ceiling Panel		Part Number: D4634-3
Inspection Dwg: D4634	Rev: F	Page 1 of 1

FIRST ARTICLE INSPECTION CHECKLIST

Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
15.91	+/-0.030	15.91	✓		S Feb-21	
10.20	+/-0.030	10.20	✓		"	
11.25	+/-0.030	11.25	✓		"	
1.25	+/-0.030	1.25	✓		"	
4.55	+/-0.030	4.55	✓		"	
1.25	+/-0.030	1.25	✓		"	
21.53	+/-0.030	21.53	✓		"	
24.00	+/-0.030	24.00	✓		"	
12.00	+/-0.030	12.00	✓		"	
39.75	+/-0.030	39.75	✓		"	
1.300	+/-0.010	1.300	✓		"	
Ø0.250	+0.005/-0.001	0.254	✓		S Feb 08	
Ø0.129	+0.005/-0.001	0.1286	✓		"	
Ø0.250	+0.005/-0.001	0.2511	✓		"	
Ø2.030	+0.012/-0.001	2.034	✓		"	
Ø0.250	+0.005/-0.001	0.2521	✓		"	
0.688	+/-0.030	0.689	✓		"	
Ø0.098	+0.004/-0.001	0.098	✓		"	
0.344	+/-0.010	0.3443	✓		"	
0.50	+/-0.030	0.521	✓		"	
3.50	+/-0.030	3.505	✓		"	
8.00	+/-0.030	8.00	✓		S Feb-21	

Measured by: SJP	Audited by: 38	Preliminary Approval:
Date: 1/19/0	Date: 14-9-11	Date:

Rev	Date	Change	Revised by	Approved
A	14.07.29	New Issue	KJ	